

**Antarctic  
Phosphatase  
Reaction Buffer**



1-800-632-7799  
info@neb.com  
www.neb.com



B0289S 004120815081

**B0289S**

**6.0 ml Antarctic Phosphatase  
Reaction Buffer (10X)**

**Store at -20°C Lot: 0041208 Exp: 8/15**

**Description:** New England Biolabs supplies a 10X reaction buffer with all of its enzymes. At a 1X concentration this reaction buffer assures optimal activity of the enzyme.

**1X Antarctic Phosphatase Reaction Buffer:**

50 mM Bis Tris-Propane  
1 mM MgCl<sub>2</sub>  
0.1 mM ZnCl<sub>2</sub>  
pH 6.0 @ 25°C

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**Quality Control Assay**

**Non-specific DNase Activity (16 Hour):** A 50 µl reaction in 1X Antarctic Phosphatase Reaction Buffer containing 1 µg of HaeIII digested φX174 RF I DNA incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.

**Endonuclease Activity (Nicking):** A 50 µl reaction in 1X Antarctic Phosphatase Reaction Buffer containing 1 µg of supercoiled φX174 RF DNA incubated for 4 hours at 37°C results in <10% conversion to the nicked form as determined by agarose gel electrophoresis.

CERTIFICATE OF ANALYSIS

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